

WEBEL TECHNOLOGY LIMITED
CORRIGENDUM - III
TENDER NO. WTL/PCB/CAAQMS/22-23/022 dated 28.10.2022

***NOTE: TREAT CORRIGENDUM-I AS CANCELLED**

Sl. No.	Section No.	Clause No.	Page No.	Queries	WTL Reply
1	H - BOM	Sl. j & m	28	Please confirm, you required total Qty.16 Nos. or 8 Nos .	Benzene measurement is requirement and since Benzene measurement will be available in BTEX monitor, bidders can consider BTEX Monitor Qty 08 Nos.
2	H (A)	03 in PM10	38	It should be 0 to 2000 µg/m3	To be read as 0 to 2000 µg/m3. Should have USEPA certification.
3	H (A)	03 in PM2.5	39	It should be 0 to 1000 µg/m3	To be read as 0 to 2000 µg/m3. Should have USEPA certification.
4	H (A)	05 in both PM10 and PM2.5	38 & 39	It should be 2 µg/m3	To be read as 2 µg/m3
5	Make In India. GOI order P-45021/2/2017-PP (BE-II) Dated 04th June 2020 and subsequent amendment letter/order issued by GOI P-45021/02/2019-BE-II-Part (1) (E-50310) dated 04/03/20	Make in India Initiate of Govt. of India order. Inclusion of Aatmanirbhar Bharat Clause as per Govt of India order No. P-45021/2/2017-PP (BE-II) Dated 04th June 2020 issued by Ministry of Commerce and Industry, Department for Promotion of Industry and Internal Trade <u>(Notification attached for your reference)</u> a) GOI order P-45021/2/2017-PP (BE-II) Dated 04th June 2020 and subsequent amendment letter/order issued by GOI P-45021/02/2019-BE-II-Part (1) (E-50310) dated 04/03/2021	GOI order / Notification attached	We understand the tender being a public procurement by WBPCB/WEBEL, the Govt of India order No. P-45021/2/2017-PP (BE-II) Dated 04th June 2020 and subsequent amendment letter/order issued by GOI P-45021/02/2019-BE-II-Part (1) (E-50310) dated 04/03/2021 with regards to Make in India / Aatmanirbhar Bharat Initiative is applicable for this tender. Please confirm. Also, Class I & Class II preference specified therein the notification will be extended to those qualified bidder who qualifies under the category strictly on the basis of value addition & manufacturing carried out in India on the manufacturing & supply of Continuous Ambient Air Quality Monitoring Station (CAAQMS). Please confirm.	NO CHANGE

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6	Section A Instruction to Scope of Work & Responsibility	Cl. 5.0 - DATA MANAGEMENT AND QUALITY CHECKS - Working hours	Pg 7	<p><u>Working Hours.</u> Please confirm if each CAAQMS is to be manned with a each Station operator/Technician throughout the day, or Station operator / technician to be made available as and when required based on the requirement or Notice in event of breakdown.</p> <p>Please confirm.</p>	Should be available throughout the day with proper attendance of check in and check out.
7	Section A Instruction to Scope of Work & Responsibility	Cl. 2 - Scope of Services.	Pg 5 & 6	<p>Kindly confirm if the specified numbers of manpower in the tender under Cl.2 is the Total manpower requirement for this project which is 10 persons (i.e Team leader -1 , Technical - 1, Data Processer - 8) Please confirm.</p>	Understanding is correct.
8	Section A Instruction to Scope of Work & Responsibility	Cl. 2 - Scope of Services.	Pg 5 & 6	<p>Kindly confirm if payment of reoccurring cost like payment of monthly electricity charges & Internet charges for operation of CAAQMS shall be in the scope of WBPCB/WEBEL and is excluded from the scope of Services under CMOC and the same to be excluded in price bid.</p> <p>Please confirm.</p>	Tender is self -explanatory
9	Section A Instruction to Scope of Work & Responsibility	Cl. 2 - Scope of Services.	Pg 5 & 6	<p>Kindly confirm the provision of power supply near to CAAQM Station for operation of CAAQMS shall be in the scope of WBPCB/WEBEL and the same is excluded from the scope of Services under the tender.</p> <p>Please confirm.</p>	Tender is self -explanatory

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10	Section A Instruction to Scope of Work & Responsibility	Cl. 1 - Detailed Project Structure (All the CAAQM stations are to be integrated to the existing CAAQM central server located in of WBPCB)	Pg 5	<p>Please confirm if separate central server to be supplied under the project, since the Section H - Bill of materials - Sl. q - calls for Central server with required UPS. However under Section A - Cl. 1 - Detailed Project Structure specifies that all the CAAQMS are to be integrated with the existing CAAQM central server located at WBPCB.</p> <p>Please clarify and confirm.</p> <p>Also, please confirm that any option of Physical server or Cloud server is acceptable.</p>	Tender is self -explanatory
11	Section - H Bill of Materials	Sl. q - Central server system with required UPS and price bid format BOQ_824385.xlsx	Pg 28	<p>Please confirm the number of Central Server required, Section H - Bill of Materials & Price bid BOQ in XLX specifies Qty as 08 Nos. Instead of 01 No. Please note that only 01 No. of Central Server is required for all the 08 Nos. of CAAQMS. Kindly Confirm.</p> <p>Also, based on confirmation kindly change the Qty of Central Sever system under price bid, Presently it is specied as 08 Nos under-price bid format BOQ_824385.xlsx</p>	Price Bid updated
12	Section B Eligibility Criteria	Cl. 2 - The bidder should have their presence in Kolkata with own office. Valid proof should be submitted along with the bid	Pg 11	<p>Please note that we are the OEM's for USEPA approved Gas Analysers and manufacturer of Continuous Ambient Air Quality Monitoring Stations (CAAQMS) having CAAQMS Installation across majority of SPCB's /PSU's and other Govt organisation across India having services center and regional offices across India.</p>	Undertaking by bidder that the bidder should open an office in West Bengal within 30 from the issuance of LOI

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13	Section B Eligibility Criteria	Cl. 8 - The Bidder must have own Support Service Center in Kolkata and manpower in Kolkata as well as districts (one at North Bengal) so that any call reported is attended within the response time. Details address with contact details for Support Service Center at Kolkata to be submitted.	Pg 11	<p>Please note the for customers & Installations in North & East regions including the state of West Bengal we are catering our services through our Noida office/Delhi NCR and through our manufacturing & service facility set up from Indore.</p> <p>Please confirm the acceptability of the proof towards the same in lieu of bidders own office or setup at Kolkata.</p>	Undertaking by bidder that the bidder should open an office in West Bengal within 30 from the issuance of LOI
14	Section B Eligibility Criteria	Cl. 4 - The bidder shall have executed "Similar Nature" of single order an amount not less than total Rs 4.00 Cr. in last three financial years and current financial year	Pg 11	<p>We understand from Section B - Eligibility Criteria - Cl. 4 that the bidder / participant should have executed Similar nature of single order of amount not less than Rs. 4.00 Cr. in last three financial year and current financial year (which means 03 year + 01 year = 04 years). i.e. a single order of Rs. 4.00 Cr in 4 years including current financial year.</p> <p>Please confirm.</p>	"Similar Nature" of single order an amount not less than total Rs 4.00 Cr. in last three financial years & Current Financial years indicates FY-22-23
15	Section G - Guidance for E-Tendering	Submission of Hard copy of Technical Bid Sl. a,b,	Pg 27	<p>Please confirm is Hard copy of Technical bid and price bid is to be submitted in addition to the uploading of bid and submission in e-procurment website. We understand the this hard copy to be submitted within 7 days from date of closing of due date.</p>	Hard copy should be submitted within 72 hours of closure of Online Bid.

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16	Section - H Bill of Materials	Sl. f - Ambient Oxides of Nitrogen (NO/NO ₂ /NO _x / NH ₃) Analyzer	Pg 28	The technical specifications under pg 36 specifies separate specification for NH ₃ Ammonia Analysers. However Section H - Bill of Materials Sl. f specifies combine Ammonia Analysers along with NO-NO ₂ -Nox.	Tender is self -explanatory NH ₃ analyzer must give NO _x readings simultaneously.
17	Section - H (A) Technical Specifications	AMBIENT AMMONIA ANALYSER (NH ₃)	Pg 35, 36	Please clarify if two separate Gas Analyser for measurement of NO/NO ₂ /NO _x & NH ₃ Ammonia is to be quoted separately or a single combine analyser with NO/NO ₂ /NO _x & NH ₃ will suffice the requirement.	Tender is self -explanatory NH ₃ analyzer must give NO _x readings simultaneously.
18	Section - H Bill of Materials	“RCC foundation, pillars, platform and misc. works - civil works only (In case the container is to be mounted on a roof top at a height between 3 to 10 meter)” means the bidder may be required to construct a room of same dimension of the container on the roof top at such height and all works in relation to such construction is to be assessed in this item.	Pg 28	Please confirm the number of Site / location , where the CAAQMS to be mounted on Civil platform of between 3 mtr to 10 mtr height., please confirm the number of such location where the CAAQMS systems to be installed in civil room instead of Shelter.	All stations to be installed with shelter. There is no existing civil room in any of the locations. Creation of Shelter is in bidder scope.
19	Section - H Bill of Materials Sl. No. n - Meteorological Sensors - Barometric Pressure	Bill of Materials Sl. No. n - Meteorological Sensors - Barometric Pressure and Technical specification for Meteorological Sensors - Cl. 8	Pg 28, 43	Kindly clarify the technical specifications for Barometric pressure. The specification followed by CPCB/PCB's for Barometric Pressure is as follows. Range: 500 to 1100 hPa Resolution: 1mbar Accuracy : +/-4mbar	Tender is self -explanatory

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20	Section H Bill of Materials Sl. No. c	Sl. No. c - On line UPS (1X15 KVA, 3 hr. back up) (Pg 28) and Technical Specification for UPS Sizing: 2X20KVA (1+1) Parallel redundant UPS (pg 33, 32)	Pg 28, 32, 33	<p>This is reference to UPS specification with regards to 15KVA UPS with 180 minutes or 3 hour backup time provided at Pg 32 & Pg 33 of technical specification.</p> <p>Please note that as per CPCB /SPC's requirement, there should be two separate UPS of 10 KVA with 1 Hour back up for Air conditioners & 5 KVA with 2 Hours back up for Gas Analysyer System.</p> <p>Provision of single UPS 15 KVA with 3 hours back up will have following technical disadvantages , Hence not recommended by CPCB or SPC's</p> <p>1) Please note that CAAQMS Gas analysers system requires 3.5KVA to 5KVA load for smooth uninterrupted power for operations, however connecting CAAQMS Gas analysers system to a single UPS of 15KVA along with Air conditions will result in frequent surge with interrupted power due to automatic intermittent starting of Air conditioners compressor to cool the cabin.</p> <p>2) 15KVA single UPS with 3 hour backup will consume huge space inside the shelter partition which will result in generating high heat load inside the partition, which is technically not recommended for CAAQMS systems, since calibration Gas cylinders have to be kept in the same partition. Hence, it is highly recommend to reconsider & review your technical specification with regards to single UPS from 15KVA UPS with 3 hour backup with two separate UPS of 10KVA with 1 hour backup for Air conditioners & 05 KVA with 2 hour back up for Gas Analyser system in compliance to CPCB technical specification / guidelines which is followed my majority</p>	Specification as per corrigendum
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of the PCB's for CAAQMS Systems.
Please confirm.

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21	Section H Bill of Materials Sl. No. c	<p>Technical Specification for UPS Sizing: 2X20KVA (1+1) Parallel redundant UPS (pg 32, 33)</p> <p>and</p> <p>Sl. No. c - On line UPS (1X15 KVA, 3 hr. back up) (Pg 28)</p>	Pg 32, 33 & Pg 28	<p>This is reference to UPS specification with regards to 15KVA UPS with 180 minutes or 3 hour backup time provided at Pg 32 & Pg 33 of technical specification for Sizing.</p> <p>Please note that the technical specification provided in the tender under the Battery Sizing of UPS technical specification (Pg 32,33) specifies 2X20KVA (1+1) Parallel redundant UPS - which we understand is a typographical error based on the requirement of 15KVA under Schedule H - Bill of Materials - Sl. no. c.</p> <p>Please correct and confirm.</p> <p>Please note that with specification of 2X20KVA (1+1) Parallel redundant UPS is not technically feasible to accommodate the UPS inside CAAQMS Shelter for various technical reasons narrated under above Qurey No. 16</p>	Specification as per corrigendum
22	price Schedule format BOQ_824385.xlsx	price Schedule format BOQ_824385.xlsx		<p>The following correction & Inclusion in Price bid format BOQ_824385.xlsx is required</p> <ol style="list-style-type: none"> 1) Kindly include provision for inputting the price towards CMOC price for 05 years (year wise) 2) Sl. No. 3 correction in UPS Backup time is 1 hour instead of 3 hours. 3) Sl. NO. 17 - Qty of Central Server is specified as 08 Nos. However 01 Central server is required for all 08 Nos. of CAAQMS. 	Fresh BOQ Updated

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1 Set of 10 KVA & 5 KVA Online UPS with 120 Minutes Backup for every Station	
Capacity	1 Unit of 5KVA & 1 Unit of 10KVA Online UPS
Output Wave Form	Pure Sine wave
Input Power Factor at Full Load	>0.90
Input	220/230/240 VAC for 1 Phase, 380/400/415 VAC for 3 Phase
Input Voltage Range	176 to 288 VAC Full Load
Input Frequency	50Hz +/- 3 Hz
Output Voltage	220/230/240 VAC for 1 Phase
Output Frequency	50Hz +/- 0.5% (Free running); +/- 3% (Sync. Mode)
Inverter efficiency	>90%
Over All AC-AC Efficiency	>85%
UPS shutdown	UPS should shutdown with an alarm and indication on following conditions 1)Output over voltage 2)Output under voltage 3)Battery low 4)Inverter overload 5)Over temperature 6)Output short
Battery Backup	120 minutes in Full Load in Each UPS
Battery	VRLA (Valve Regulated Lead Acid) SMF (Sealed Maintenance Free) Battery
Indicators &	Indicators for AC Mains, Load on Battery, Fault, Load Level, Battery Low Warning, Inverter On, UPS on Bypass, Overload, etc.
Metering	Metering for Input Voltage, Output Voltage and frequency, battery voltage, output current etc.
Audio Alarm	Battery low, Mains Failure, Over temperature, Inverter overload, Fault etc.
Cabinet	Rack / Tower type
Operating Temp	0 to 50 degrees centigrade
Management Protocol	SNMP Support through TCP/IP